



What is it?

The **oil cooler**, also known as heat exchanger, is a metal component introduced in over-powered engines. Due to increasingly high temperatures in the combustion chamber, the engine oil is subjected to much greater stress than previous engines.

Usually made of aluminium, it contains two coils joined by aluminum plates which have the function of dispersing heat. It is crossed by two distinct fluids that must never be mixed: engine oil on one side and coolant on the other side of the cooling circuit.

It is usually located downstream the oil filter, so that only the clean oil passes through it without encrustations. It has two connection points, for oil and refrigerant inlet and outlet.

What it's for

The **Oil Cooler** prevents the engine oil from overheating which could also damage the oil filter with the risk of cellulose fragments entering the circuit.

While the engine is running, the temperature increases progressively, reducing the viscosity of the oil and its lubrication, that's why the oil temperature must be turned down.

In the combustion chamber, the engine oil overheats, then it enters the oil cooler to be cooled by the coolant before returning into the engine.

It is important that the oil cooler has the number of blades defined by car manufacturer (the more blades there are, the more heat passes).



The range

The range of Original Birth oil coolers is among the widest in the European market with over 90% car park coverage. It includes over 230 references, many of which provided with oil filter.



Our products:

- Original Birth oil coolers are designed and manufactured according to OE standards.
- Supplied with O-Ring if required by OE Manufacturer.
- The gaskets used are manufactured in-house with high-quality neoprene rubber, resistant to grease, ozone and high temperatures
- The 100% check in process is carried out and confirmed by a stamp of acceptance test.



ACTIVE CODES	APPLICATIONS	VEHICLES
230	13.079	1.145

Warning:

- The brown emulsion in the expansion tank indicates either a burnt cylinder-head or a broken oil cooler.
- Using water instead of coolant or unsuitable liquid might cause the oxidation of the plates
- Pay attention to service period of oil changes recommended by Car manufacturer and use only suitable oil.

TIPS!



- Clean the lubrication system before changing the oil
- Use high quality engine oil
- Use only the coolant recommended by the car manufacturer
- Choose a high quality oil cooler



Why choosing Original Birth?

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- Because it is a specialist in cooling system.
- Original Birth oil coolers are designed and manufactured in accordance with OE standards
- Original Birth products are tested by a series of in-house tests in our own laboratory to ensure high quality and long life.
- The presence of production batches and the Birth logo directly on the product guarantee traceability of all products.



Testing with air with a maximum pressure of 8 bar.

Don't forget! Besides oil coolers, **Original Birth** offers a **wide range of products**: other coolant system components, steering and suspension parts, engine mounts, strut mounts, gear box mounts, axle and steering boots, wheel hubs, pedals, EGR Valves and much more.

